

# GUAN processing and monitoring at NCDC

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NOAA's National Climatic Data Center

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GCOS MEETING  
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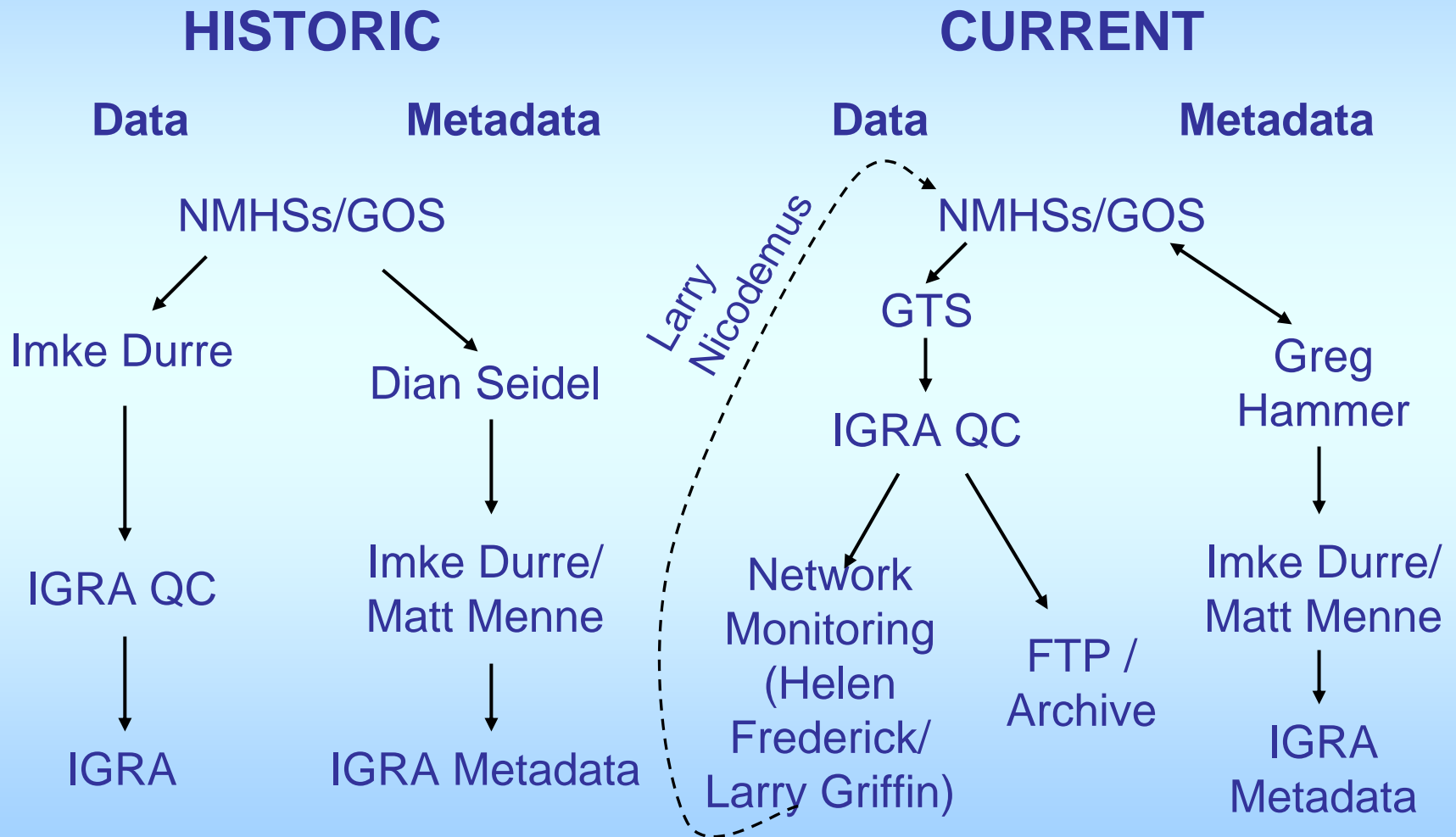
# Major Components

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- Ingest and processing: same as for all radiosonde data
- Archiving and dissemination: as part of IGRA
- Monitoring: various activities that need to be reconciled



# Data flow diagram



# Archiving

- Quality-controlled data archived as part of IGRA
- Decoded GTS messages archived in DSI 6350
- Some historical data archived as part of country-specific datasets



# Dissemination

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- As part of IGRA
- Available at [www.ncdc.noaa.gov/oa/cab/igra](http://www.ncdc.noaa.gov/oa/cab/igra)
- GUAN stations are identified as such in the IGRA station list



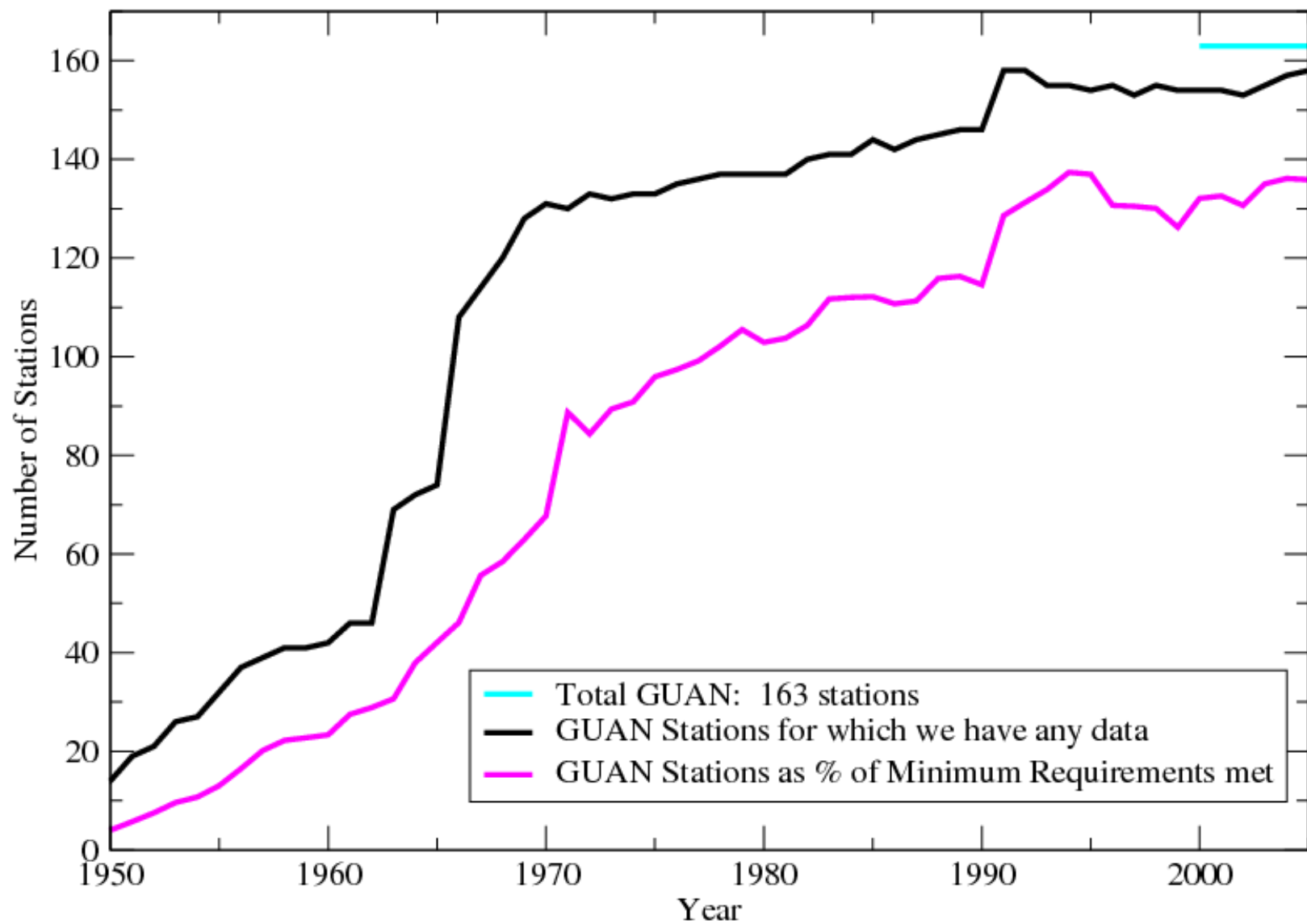
# Current Monitoring Activities

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- Monthly inventories on the Health of the Network web page
- Larry Griffin's daily inventories
- GUAN performance measure
- Occasional maps of percentage of soundings reported



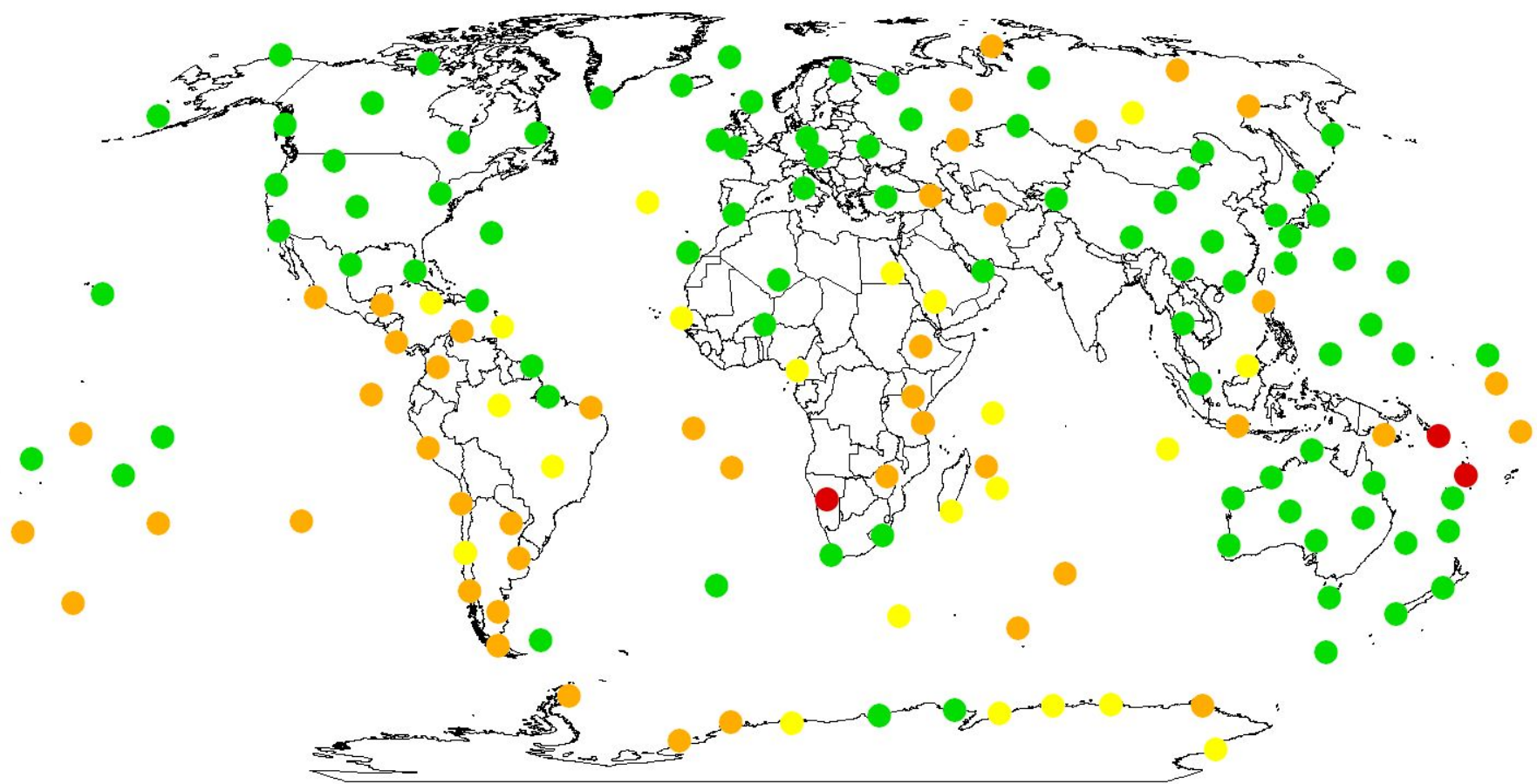
# GUAN Performance



**2004 GUAN Station Sounding Completeness**  
**(at least one mandatory level reported)**  
**00 & 12 UTC**

**Percent of Possible Soundings**

- 0.00
- 0.01 to 49.99
- 50.00 to 89.99
- 90.00 to 100.00





# Issues to be Resolved

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- What reports are useful?
- A consolidation of useful reports
- Easier access to changes in the station network

